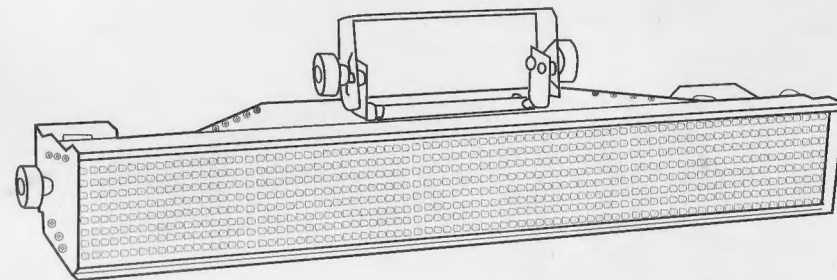


LED MEGA Panel



User Manual

Please read this manual before installing & using, and keep it for further consultation



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General

Unpacking: Thank you for purchasing our products. Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, Save the carton and all packing materials. In the event a fixture must be returned to the factory. It is important that the fixture be returned in the original factory box and packing.

Introduction: The unit is a DMX intelligent LED stage panel/wash. This wash can be used in a stand alone mode or connected in a Master/Slave configuration. The unit can also be controlled via DMX controller. This wash has four operating modes: Sound Active mode, stand alone mode, Master/Slave and DMX control mode.

AC Power: This fixture has an auto-switching power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240V AC.

Safety Instructions:

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product.

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.

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- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 3 for cleaning details.
- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact us.

Cleaning: Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

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Features

- 648pcs 5mm Ultra Bright LEDs RGB
- Multi-colors
- Color Strobe
- Electronic Dimmer 0-100%
- Built in Microphone
- DMX-512 protocol
- 7 DMX Channel Modes: 2, 3, 4, 6, 7, 14,&26 DMX Channels

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Set Up

Notice: Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

Figure 1

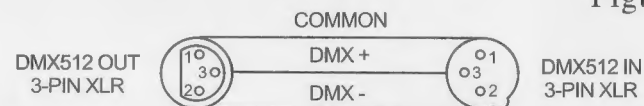


Figure 2

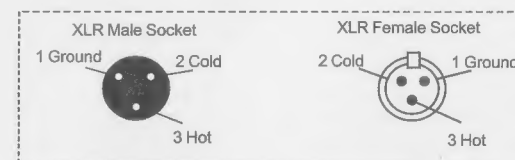


Figure 3

XLR Pin Configuration	
Pin 1	= Ground
Pin 2	= Data Complement(negative)
Pin 3	= Data True(positive)

3-Pin to 5-Pin Conversion Chart:

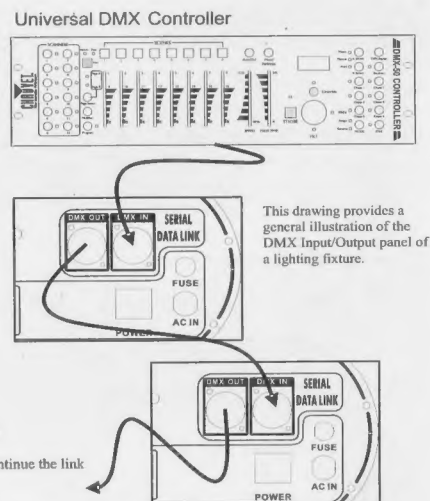
Note! If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-Pin to 5-Pin Conversion

Conductor	3 Pin Female(Output)	5 Pin Male(Input)
Ground/Shield	Pin 1	Pin 1
Data(-) signal	Pin 2	Pin 2
Data(+) signal	Pin 3	Pin 3
Not Used		Do not use
Not Used		Do not use

Setting up a DMX Serial Data Link:

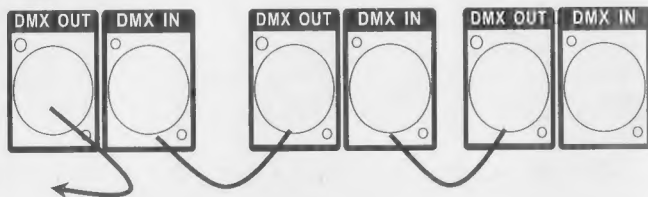
1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the controller.
2. Connect the end of the cable coming from the controller which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



Master/Slave Fixture Linking:

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via either settings in the control panel or DIP-switches. Secondly, the fixtures that follow may also require a slave setting. Please consult the "Operating Instructions" section in this manual for complete instructions for this type of setup and configuration.



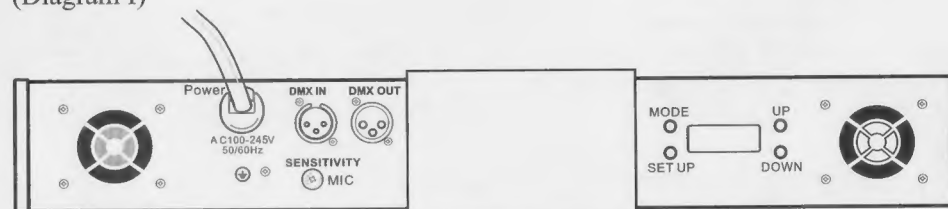
Operating Modes:

You can use the unit in either a stand alone mode or a master/slave configuration, there are 4 modes to choose from:

- **Program Mode** - Choose a static color, color show, color fade show, or color cycle. The speed of the show is adjustable. You can also have the unit strobe in this mode.
- **Sound-Active mode** - The unit will react to sound, chasing through the built in programs.
- **Master/Slave Mode** - Using the Master unit, choose your desired mode or program and connect the "Slave" unit or units, All slaves will now follow the "Master" unit. But only one master.
- **DMX control mode** - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller

Product overview:

(Diagram I)



Button	Function
<MODE> option	Used to access the mode or to return to a previous mode
<UP>	Change the value of function you choosing in ascending order
<DOWN> order	Change the value of function you choosing in descending order
<SETUP>	locate the function of which you want to change the value

Press the **MODE** button, you can browse all the function, such as **AUTO RUN**, **DMX MODE**, **SLAVE MODE**, **SOUND**, and **built in program (01-17)**.

While the function you want, for example, if **DMX MODE**, the **ADDR & MODE** can be adjusted. You can press **SETUP** button to catch them, if **MODE**, it has **7 models**, press **UP & DOWN** to locate it.

Program Mode & Sound Mode:

In Program Mode you can pick your desired factory installed program; static color, color show, color fade, or color cycle. You can apply a strobe effect to static colors, and control the speed of the color shows, color fade, and color cycle.

1. Plug the fixture in and press the **MODE** button till **01 static** display, you are now in **Built in program model**. Press **UP** and **DOWN** to find your desired effect (**01-17**)
2. If you have selected a **static color**, press **SET UP** button to enter into the **flash rate (F: 000-100)**, press **UP** and **DOWN** to adjust and select your desired flash rate.
3. When you have chosen a **color show (02-17)**, press **SET UP** button, the display will show "**S000-S100**", it means **SPEED**, Press **UP** and **DOWN** button to adjust and set the speed. When the display shows "**F000-F100**" It means strobe function, your desired program is running in strobe effect.
4. When the display shows **SOUND**, the unit is working in **sound active mode**, and the **sensitivity (SENS: 00-99)** is adjustable.

Master-Slave Operation:

This function will allow you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the "Master."

Master-Slave Connections and Settings:

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR microphone cables to link your units together. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Using the Master unit, choose your desired mode or program and connect the "Slave" unit or units.
3. Set the "Slave" unit(s) to the DMX address mode. They will now follow the "Master" unit.

DMX MODE:

Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. To run your fixture in **DMX mode**, plug in the fixture via the XLR connections to any standard DMX controller. Press **MODE** button till **DMX MODE** display, and press **SET UP** button to enter the DMX address and DMX mode selection, and then press **UP** or **DOWN** buttons to adjust the DMX address and DMX mode. The channels value refers to the following channel summary.

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DMX Channels Summary

MODE	CHANNEL	FUNCTION
MODE 1 (3CH)	CH1	RED 0-100%
	CH2	GREEN 0-100%
	CH3	BLUE 0-100%

MODE	CHANNEL	FUNCTION
MODE 2 (4CH)	CH1	RED 0-100%
	CH2	GREEN 0-100%
	CH3	BLUE 0-100%
	CH4	MASTER DIMMER 0-100%

MODE	CHANNEL	FUNCTION
MODE 3 (14 CH)	CH1	RED 1 0-100%
	CH2	GREEN 1 0-100%
	CH3	BLUE 1 0-100%
	CH4	RED 2 0-100%
	CH5	GREEN 2 0-100%
	CH6	BLUE 2 0-100%
	CH7	RED 3 0-100%
	CH8	GREEN 3 0-100%
	CH9	BLUE 3 0-100%
	CH10	RED 4 0-100%
	CH11	GREEN 4 0-100%
	CH12	BLUE 4 0-100%
	CH13	STROBE
	CH14	MASTER DIMMER 0-100%

MODE	CHANNEL	FUNCTION
MODE 4 (26CH)	CH1	RED 1 0-100%
	CH2	GREEN 1 0-100%
	CH3	BLUE 1 0-100%
	CH4	RED 2 0-100%
	CH5	GREEN 2 0-100%
	CH6	BLUE 2 0-100%
	CH7	RED 3 0-100%
	CH8	GREEN 3 0-100%
	CH9	BLUE 3 0-100%
	CH10	RED 4 0-100%
	CH11	GREEN 4 0-100%
	CH12	BLUE 4 0-100%
	CH13	RED 5 0-100%
	CH14	GREEN 5 0-100%
	CH15	BLUE 5 0-100%
	CH16	RED 6 0-100%
	CH17	GREEN 6 0-100%
	CH18	BLUE 6 0-100%
	CH19	RED 7 0-100%
	CH20	GREEN 7 0-100%
	CH21	BLUE 7 0-100%
	CH22	RED 8 0-100%
	CH23	GREEN 8 0-100%
	CH24	BLUE 8 0-100%
	CH25	STROBE
	CH26	MASTER DIMMER 0-100%

MODE	CHANNEL	FUNCTION
MODE 5 (2CH)	CH1	001-239 Color show 240-255 sound activate
	CH2	Speed adjusted

MODE	CHANNEL	FUNCTION
MODE 6 (6CH)	CH1	RED 0-100%
	CH2	GREEN 0-100%
	CH3	BLUE 0-100%
	CH4	001-239 Color show 240-255 sound activate
	CH5	STROBE 0-100%
	CH6	COLOR ON COLOR OFF

MODE	CHANNEL	FUNCTION
MODE 7 (7CH)	CH1	RED 0-100%
	CH2	GREEN 0-100%
	CH3	BLUE 0-100%
	CH4	001-239 Color show 240-255 sound activate
	CH5	SPEED ADJUSTED 0-100%
	CH6	STROBE 0-100%
	CH7	MASTER DIMMER 0-100%

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.